Amendments to the Specification

Please replace the first paragraph on page 19 with the following paragraph:

Transgenic fish production. A zebrafish BAC library (Incyte) was screened by the polymerase chain reaction (PCR) for genomic clones containing the *VEGFR2* gene (forward primer: 5' TTTCTCCATTCGTCTTAGA 3'(SEQ ID NO: 1), reverse primer: 5' CTCCGTATGTCACTTCACGT 3'(SEQ ID NO: 2); PCR conditions: 94^0C, 1 minute; for 35 cycles: 94^0C , 15 seconds, 62^0C, 1 minute, 72^0C, 90 seconds; 72^0C, 10 minutes). A 10 kb BamH1-EcoR1 fragment of the *VEGFR2* positive BAC clone containing the 5' end of the *VEGFR2* gene was cloned into pBluescript (Stratagene). The polymerase chain reaction (PCR) was used to amplify a 6.5 kb piece using the T7 primer from pBluescript and a primer designed upstream from the *VEGFR2* start codon (5' CTACACTATGTAGTGAAGGTG 3'(SEQ ID NO: 3); PCR conditions: 94^0C, 1 minute; 35 cycles of 94^0C, 15 seconds, 60^0C, 1 minute, 72^0C, 5 minutes; 72^0C, 7 minutes). This 6.5 kb 5' flanking sequence, described as the promoter region for *VEGFR2*, was cloned into a vector containing the *G-RCFP* gene. A linear fragment that contains the 5' *VEGFR2* flanking sequence or promoter region, *G-RCFP* gene and the SV40 polyadenylation signal was injected into embryos at the one cell stage. Embryos that exhibited mosaic transient expression of G-RCFP in blood vessels were raised to adulthood. These fish were screened to identify founders (F_0) that carried the *VEGFR2*:G-*RCFP* transgene. A founder fish was mated to wild-type fish and their fluorescent offspring were raised to form the F_1 generation. F_1 fish were mated to each other to create homozygous stocks.

Please replace the third full paragraph on page 22 with the following paragraph:

First-Strand cDNA is synthesized using 25 ng polyA+ mRNA isolated from GFP-positive cells. SMART/5' oligonucleotide III and CDS/3' oligonucleotide III is used in the MMLV reverse transcriptase reaction. The SMART/5' oligonucleotide III contains an Sfi I site with AAT whereas the CDS/3' oligonucleotide III contains an Sfi I site with GGC. This variation of AAT and GGC is used because Sfi I recognizes 5'GGCCNNNNNGGCC3' (SEQ ID NO: 4).